

IN THE CLAIMS

1 1. (Previously Presented) A wheel device with a quick-releasing mechanism

2 for being mounted to a shaft which has a first section with a larger diameter and a second

3 section with a smaller diameter, the wheel device comprising

4 a wheel body having an elastic element integrally formed with the wheel body and a

5 hole at the center of the wheel body for accommodating the shaft; and

6 a movable member movably mounted to the wheel body and contacted with the elastic

7 element, and the movable member having a first wall surface and a second wall surface which

8 is situated in different planes with the first wall surface, a distance between the first wall

9 surface and the center of the wheel body being larger than that between the second wall surface

10 and the center of the wheel body;

11 whereby the wheel body can be removed from the shaft when the movable member is

12 set at a first position and the first wall surface is aligned with the second section of the shaft,

13 and the first section of the shaft is blocked by the second wall surface so that the wheel body is

14 restricted on the shaft by the movable member when the movable member is set at a second

15 position and the second wall surface is aligned with the second section of the shaft.

1 2. (Previously Presented) The wheel device with a quick-releasing

2 mechanism as claimed in claim 1, wherein the movable member has two first wall surfaces and

3 two second wall surfaces to respectively define a first chamber and a second chamber which

4 opens into the first chamber and is different from the first chamber in size, wherein the size of

5 the first chamber is larger than those of the first and the second sections, and the size of the

6 second chamber is between those of the first and the second sections;

7 whereby the wheel body can be removed from the shaft when the second section is
8 accepted in the first chamber, and the wheel body is restricted on the shaft by the movable
9 member when the second section is accepted in the second chamber.

1 3. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 1 or 2, wherein the elastic element functions as a positioning
3 member for the movable member to urge the second wall surface of the movable member
4 being aligned with the second section.

1 4. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 1 or 2, wherein the movable member further has a protrusion
3 between the first wall surface and the second wall surface, which functions as a positioning
4 member for the movable member to urge the second wall surface of the movable member
5 being aligned with the second section.

1 5. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 1 or 2, wherein the movable member further has a protrusion
3 between the first wall surface and the second wall surface, the elastic element and the
4 protrusion functioning as positioning members for the movable member to urge the second
5 wall surface of the movable member being aligned with the second section.

1 6. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 1 or 2, wherein the wheel body has a plurality of ribs to guide
3 the movement of the movable member.

1 7. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 6, wherein the wheel body has a first wheel plate and a second
3 wheel body connected each other by the ribs, wherein the first wheel plate is connected with
4 the movable member and the second wheel plate has a cavity to accept the first section.

1 8. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 1 or 2, wherein the wheel body has at least a tab and the
3 movable member has at least a snick, and the at least the tab is engaged with the at least the
4 snick to restrict the movement of the movable member in a predetermined stroke.

1 9. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 8, wherein the movable member comprises at least a first board
3 having the first wall surface and the second wall surface, and a second board having the at
4 least the snick.

1 10. (Previously Presented) The wheel device with a quick-releasing
2 mechanism as claimed in claim 1 or 2, wherein the wheel body further has an elastic element
3 or the movable member further has a protrusion, which is functioned as a positioning member
4 for the movable member to usually keep the movable member at the state of the second wall
5 surface being aligned with the second section, and the wheel body has a first wheel plate and a
6 second wheel plate connected each other by the ribs, wherein the first wheel plate is connected
7 with the movable member and the second wheel plate has a cavity to accept the first section.

1 11. (Canceled)

1 12. (Currently Amended) The wheel device with a quick-releasing mechanism as
2 claimed in claim 3, wherein the elastic element and the wheel body are respectively formed
3 and then assembled together.